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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/826,090	04/16/2004	Shi-Shien Chen	24061.128/TSMC2003-1865	9242
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HAYNES AND BOONE, LLP			EXAMINER	
901 Main Street			NEWAY, SAMUEL G	
Suite 3100			ART UNIT	
Dallas, TX 75202			PAPER NUMBER	
			2626	
			MAIL DATE	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

Application No.

10/826,090

Applicant(s)

CHEN, SHI-SHIEN

Examiner

Samuel G. Neway

Art Unit

2626

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 16 November 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-20 is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

### DETAILED ACTION

1. This is responsive to the Amendment filed on 16 November 2007.
2. Claims 1 – 20 are still pending and are considered below.

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1 – 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Slivka et al (USPN 5,455,577).

Claims 1 and 8 – 10:

Slivka discloses a method for processing data, the method comprising:

processing one or more bytes of a data set as a block (col. 8, line 1) comparing the first byte of the one or more bytes with a value (fig. 5, step 501 and related text);  
and

transforming the data set by inserting an identifier after each byte of the one or more bytes, if the first byte is larger than the value (fig. 5, step 502 and related text).

Slivka also discloses the "data comprising bytes representing letters" (col. 3, lines 38-41) but does not explicitly disclose wherein the data set comprises Asian language characters.

It would have been obvious to one with ordinary skill in the art at the time of the invention to have the bytes represent characters in any language in order to use Slivka's data processing method in different regions of the world.

Claim 2:

Slivka discloses the method of claim 1 wherein the value equals to 127 (fig. 5, step 501 and related text).

Claim 3:

Slivka discloses the method of claim 1 wherein the identifier is 0 (fig. 5, step 502 and related text. Note that the 0 of Slivka's 10 reads on the claim since the claim only requires that a 0 be inserted after the byte and does not insist on only 0 being inserted).

Claims 4:

Slivka discloses the method of claim 1 wherein the one or more bytes comprise two bytes (col. 4, lines 48-51).

Claim 5:

Slivka discloses the method of claim 1 but does not explicitly disclose wherein the data set comprises semiconductor manufacturing data.

It would have been obvious to one with ordinary skill in the art at the time of the invention for the data to represent any process since the origin of the data has no effect whatsoever on Slivka's method.

Claims 6 – 7:

Slivka discloses the method of claim 1 but does not explicitly disclose the method further comprising receiving the data set from a first device and transmitting the transformed data set to a second device.

Slivka discloses a method for compressing a stream of bytes. Official Notice is taken that receiving and transmitting compressed data in devices is well known in the communication art, for example in cellular communication.

It would have been obvious to one with ordinary skill in the art at the time of the invention to receive and transmit compressed data in cellular communication in order to decrease bandwidth requirement.

***Allowable Subject Matter***

5. Claims 11 – 20 are allowed.
6. The following is an examiner's statement of reasons for allowance: the prior art of record, individually or in combination, does not disclose transforming data by deleting an identifier as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

7. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel G. Neway whose telephone number is 571-270-1058. The examiner can normally be reached on Monday - Friday 8:30AM - 5:30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David R Hudspeth can be reached on 571-272-7843. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SN

SN

  
**DAVID HUDSPETH**  
**SUPERVISORY PATENT EXAMINER**  
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